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1. An electronic camera comprising:

an image-capturing element that captures an image of a subject and outputs image data of the captured subject image;

a compression processing unit that compresses the image data by converting the image data to a spatial frequency DC component and a spatial frequency AC component and by quantizing and coding the two components, wherein:

said compression processing unit includes:

a quantization ratio determining processing unit that determines a ratio of a DC component quantization step and an AC component quantization step (DC/AC quantization ratio) in correspondence to a target compression rate;

a quantization adjustment processing unit that makes an adjustment on said DC component quantization step and said AC component quantization step while sustaining the DC/AC quantization ratio at a substantially constant value; and

a compression rate control processing unit that controls said quantization adjustment processing unit so that a compression code volume resulting from the compression can be within a range according to a target compression rate.

An electronic camera according to claim 1, wherein:
 said quantization ratio determining processing unit

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adjusts the DC/AC quantization ratio to a smaller value as the target compression rate is set higher.

- 3. An electronic camera according to claim 1, wherein:

 said quantization ratio determining processing unit
 fixes the DC/AC quantization ratio at a constant value
 regardless of the target compression rate when the target
 compression rate is set higher than a predetermined value.
- 4. An image processing program for compressing image data by quantizing and coding a DC component and an AC component, comprising:

DCT processing in which the image data are converted to a spatial frequency DC component and a spatial frequency AC component;

quantization ratio determining processing in which a ratio of a DC component quantization step and an AC component quantization step (DC/AC quantization ratio) is determined in correspondence to a target compression rate;

quantization adjustment processing in which said DC component quantization step and said AC quantization step are adjusted while sustaining the DC/AC quantization ratio at a substantially constant value; and

compression rate control processing in which control is implemented on the quantization adjustment processing so

that a compression code volume resulting from the compression can be within a range according to a target compression rate.

- 5. A recording medium having recorded therein an image processing program according to claim 4.
 - 6. A signal that transmits an image processing program according to claim 4 through a communication line.